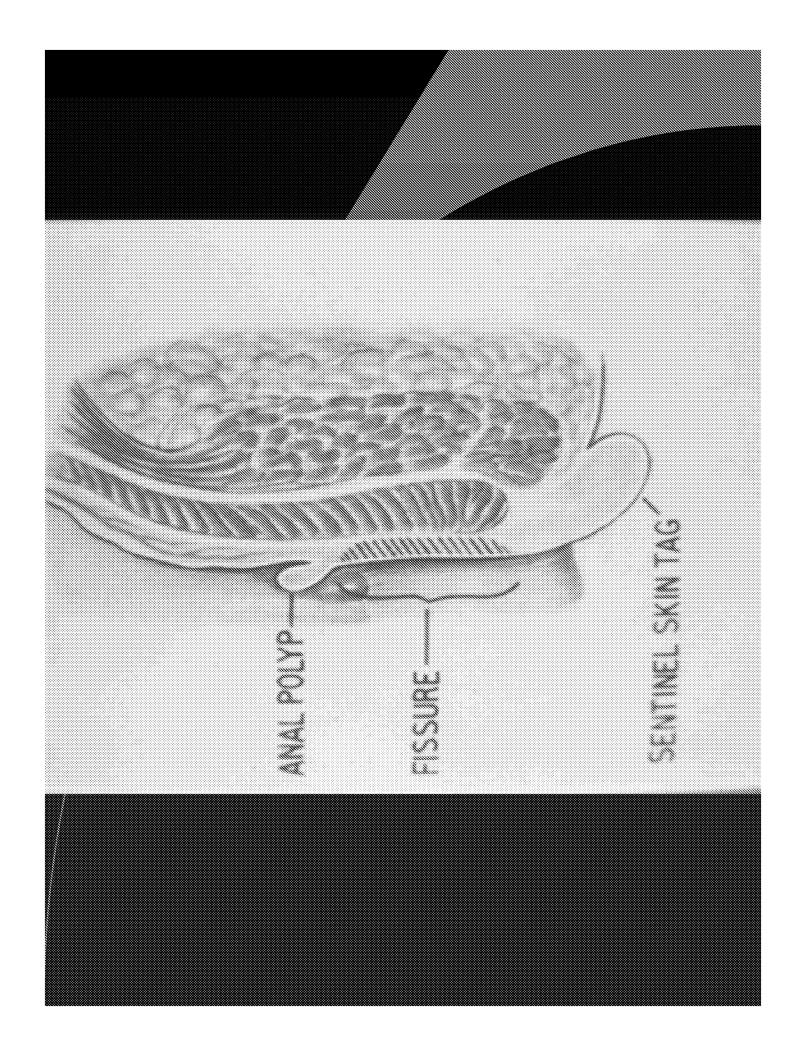
## WHAT'S NEW AND WHAT'S OLD SELINSSILITANA

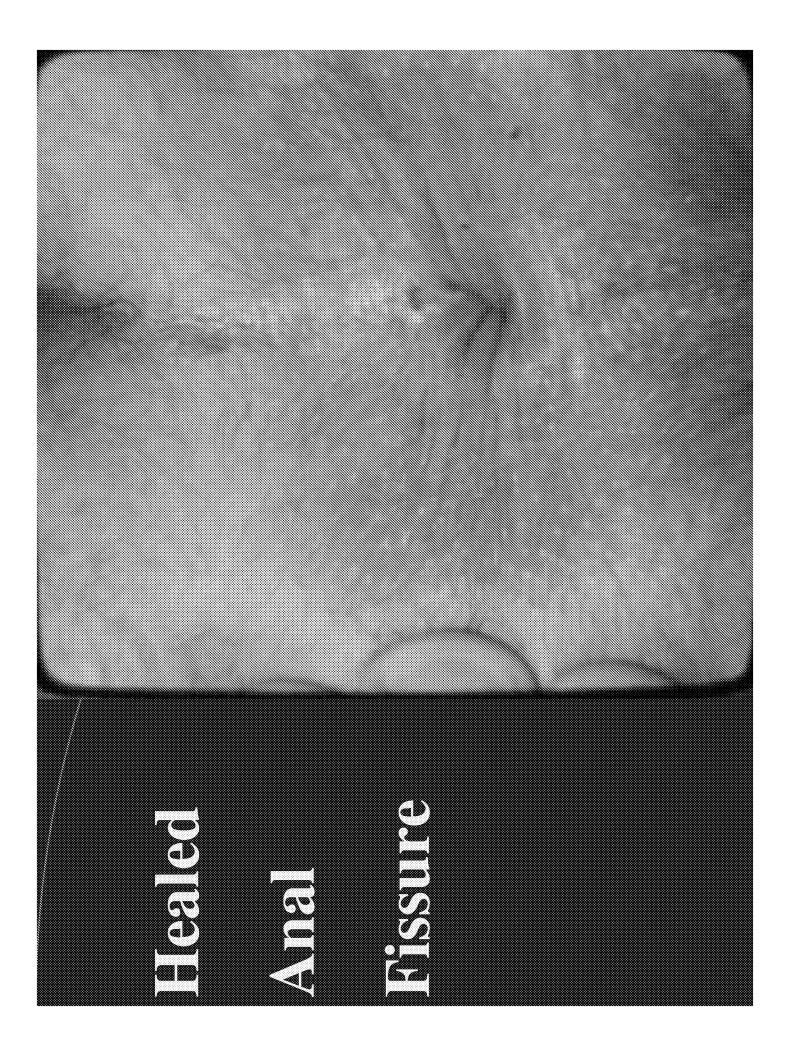
GREGORY C. OLIVER, MED., F.A.C.S. A CS SPRING MIBBELL (1975)



#### Etiology of Anal Fissure Ischemic Ulcer IAS Tone Blood Flow

## Fissure Amal

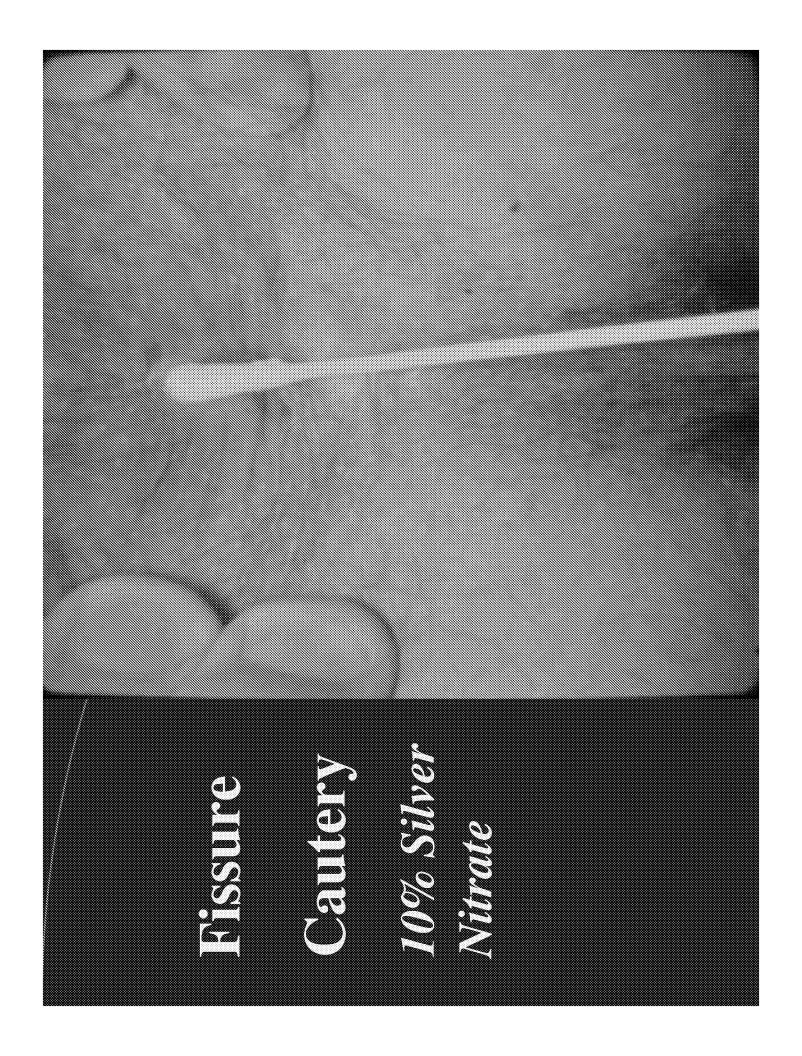
#### Thromic Fissure Anal



Ohampes Inronic [0] [6] [1] Ameil

#### Medical Management Acute Fisures

- CONSERVATIVETIREATINGUIN TRADITIONAL
- WARM SOAKS
- PIMOLLIBNIT SUPPOSITIORIES
- WOUND CAUTERIZATION
- BULKING AGENTS



#### Medical Management Acute Fissures

- NITIROGLYCERIN 0.2%
- APPLICATION q 4-6 h
- SIDE EFFECTS LIMIT COMPLIAN
- NIFEDIPINE OINTMENT 0.2%
- og 12 h REGIMEN
- SIDE BEEDCIS MINIMAL

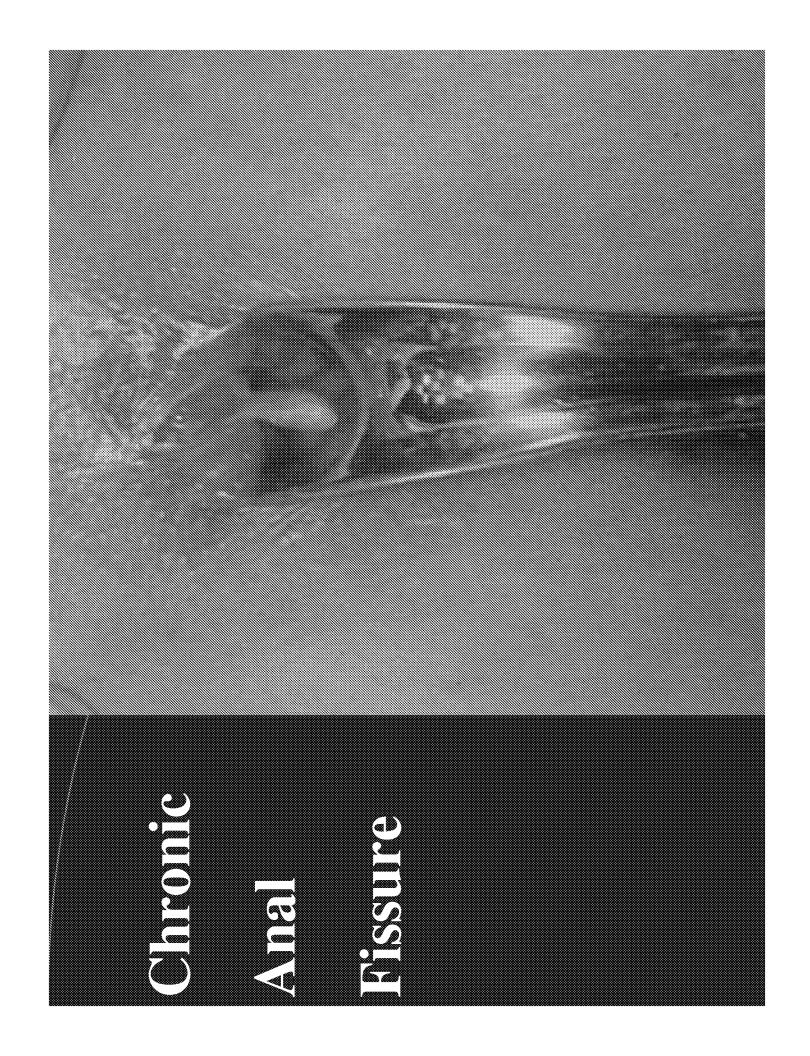
#### SEEINSSIE OINOEIES Surgical Options

- ADVANCEMENT FLAPS
- CUTANEOUS
- O SPEINCTER STRETCH

## Medical Sphincterotomy: Botox CHRONIC FISSURES

- PATHENT SELECTION
- 9 IBS ?
- SPHINCTER DEFECTS ?
- FREQUENT OR LOOSE BM'S?
- GLOBAL SPHINCTER LAXITY?





## Medical Sphincterotomy: Botox SHEONIC HSSILES

- PROCEDURE
- CONSCIOUS SEDATION
- ANAL BLOCK
- ODEBRIDE WOUND
- CONVERT CHRONIC STATE INTO ACUITE STATE
- INIECT BOTOX 30 UNITS



#### Treatment of Anal Hissure: Review of 902 Patients 1993-2002



#### Purpose

medical management for To assess the efficacy of the treatment of acute anal fissures.

#### Methods

1387 consecutive patients Patrospective review of from 1/93 to 1/02.

#### Definition

- Pain and bleeding less than 4 weeks
- Superficial tear without signs of fibrosis

#### Definition

- Chronic fissure
- Pain not as severe
- Present for more than 4 SYDOM
- Sentinel pile, hypertrophied anal papilla and fibrosis

## Exclusion Criteria

- Ohronic or healed fissure at Dreseniation
- Pissures related to other anorectal (nemorrholdectomy, fistulotomy pathology (primary pruritus ani, condylomata etc..) or surgery
- DEISSURS RELATED TO LEGAL TO L

## Treatment Groups

- Silver nitrate (10%) cauterization, suppositories, sitz baths and bulking agents (CS)
- Nitroglycerin ointment (0.2%) (DIN)
- Nifedipine ointment (0.2%) (NIF)
- Botulinum toxin (30 u) (Botox)

#### Treatment Outcomes 9 Weeks

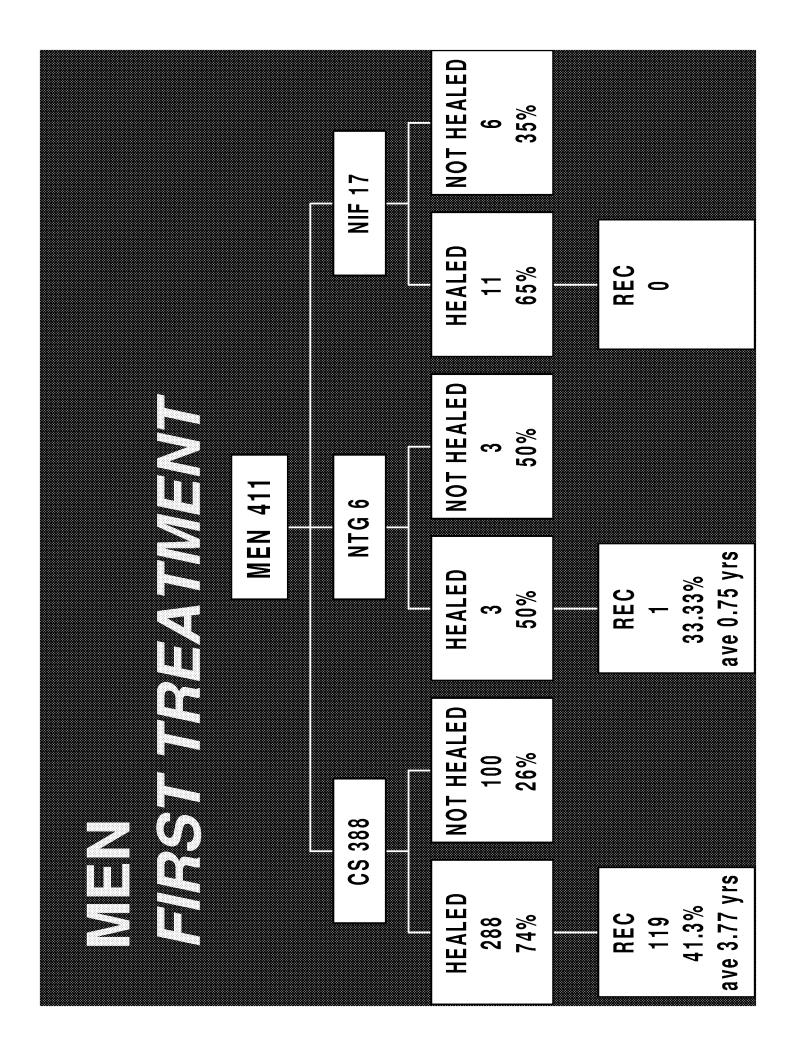
• Success healing without recurrence

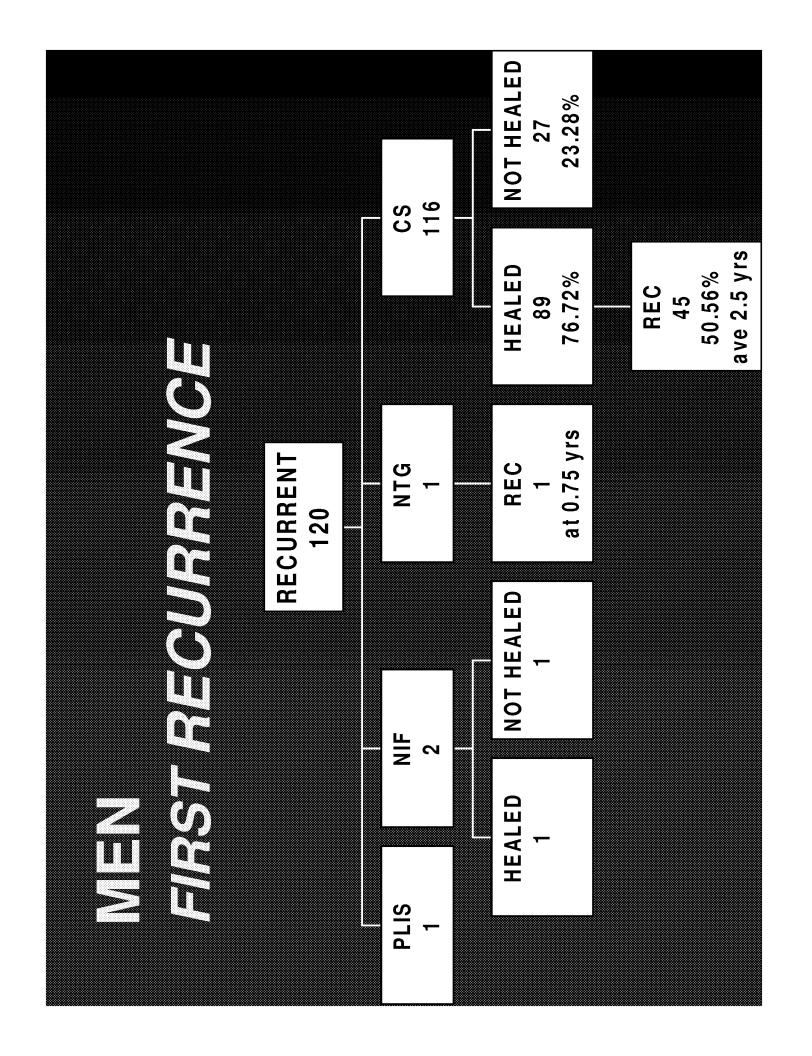
 Recultrence: healing with treatment and then development of a new fissure • No response: no improvement at 6 weeks or a required change in treatment modality.

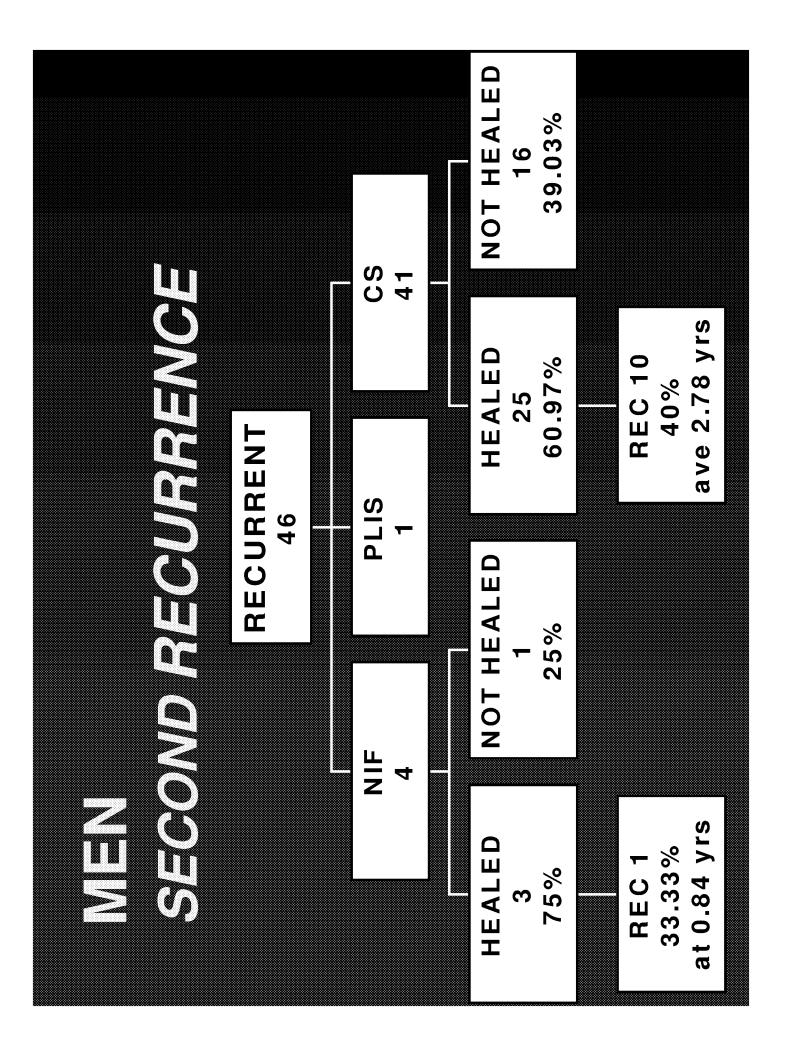
## 902 patients with acute fissures

- 411 men(46%)
- average age 47
- 60 amierior (15%)
- 341 posterior (83%)
- 10 both anterior and posterior
  (2%)

- 491 Women(54%)
- average age 44
  - 175 anterior (36%)
- 289 posterior (59%)
- 27 both anterior and posterior (5%)







#### THEOMER CONFIDENCE Z U Z

RECURRENT

**CS 7** 

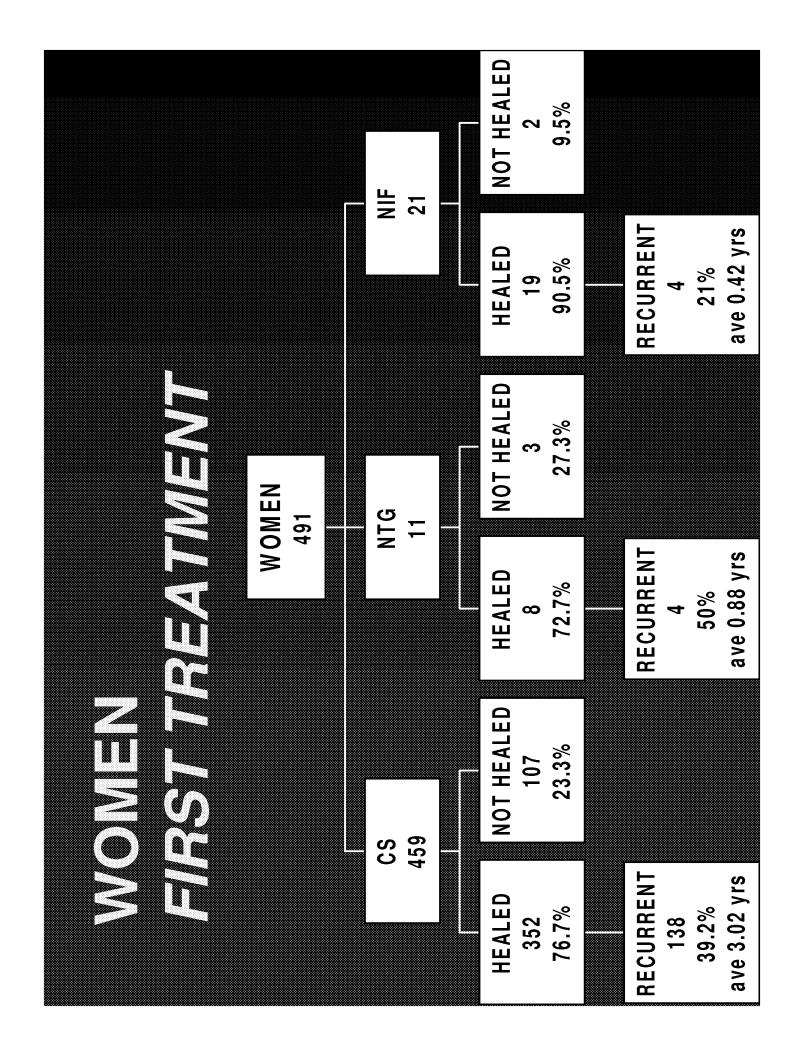
PLIS 3

HEALED

57.14%

**NOT HEALED** 42.86%

REC 1 25%



#### PLIS 6 **NOT HEALED** 20% **HESTEROURIEM CE** NTG ave 1.38 yrs HEALED REC 3 100% 20% RECURRENT 146 ave 0.23 yrs %29.99 HEALED REC N 9 $N \equiv M \cap M$ **NOT HEALED** 26.69% 128 ave 3.30 yrs HEALED 70.31% REC 20% 06

### SECOND RECURRENCE

RECURRENT 52 PLIS HEALED ¥ **NOT HEALED** S N L C HEALED **NOT HEALED** CS HEALED

**16.67%** 83.33%

20%

20%

ave 3.47 yrs 48.57% **REC 17** 

at 3.13 yrs

REC 1

20%

at 0.38 yrs 33.33% REC 1

### THEOMERADOER CEIHL

RECURRENT

BOTOX

CS

PLIS 7

HEALED

54.55%

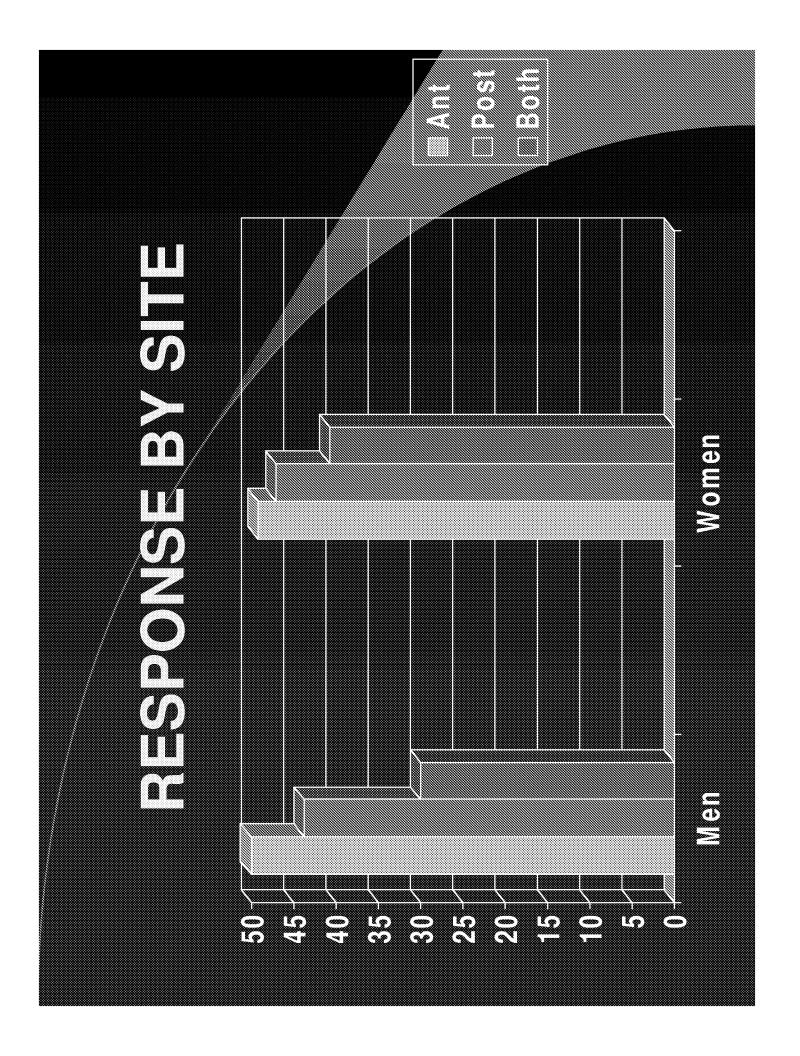
**NOT HEALED** 45.45%

HEALED

## First Course of Treatment Pesponse ov Site

- anterior fissures responded in 50%
- posterior fissures in 44%
- both ant/post in 30%

- · Women
- anterior fissures responded in 49%
- posterior fissures in 47%
- both ant/post in 41%



## First Course of Treatment Overall Success

- 45% (383/847)
- 35% (6/17)
- 58% (26/38)

## Second Course of Treatment Overall Suppess

- 39% (89/229)
  - 33% (8/24)

65% (13/20)

939% (5/6) 

### Third Course of Treatment Overall Suppess

- 40% (34/84)
  - 33% (2/6)
- 07% (8/12)
- 97% (2/3)

## 

- 44% (526/1203)

- 32% (16/51) 68% (53/78)
  - 87% (13/15)
- %88

## SISATENE ANDS IHO

Equivalent to NTG

-Inferior to NIF

Likely inferior to BOTOX

ONIF SUPErior to NTG

OBOTOX superior to NTG

ONIF equivalent to BOTOX

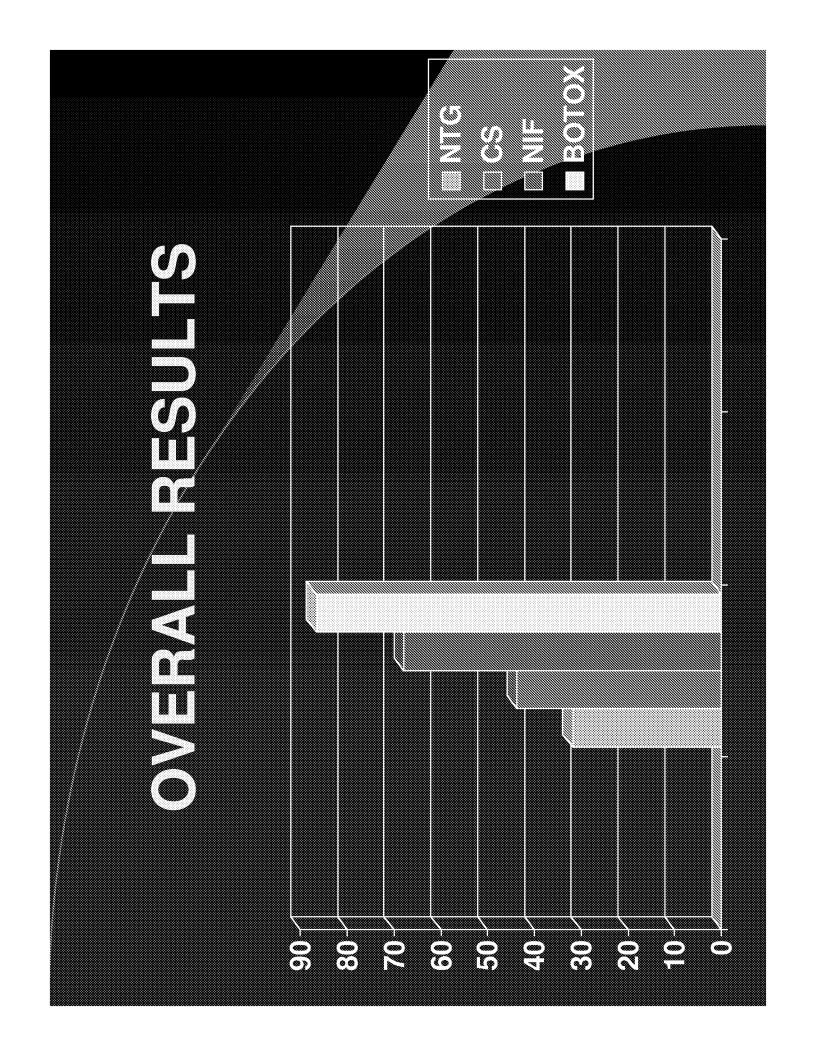
p= 0,25

0=0

p = 0.02

p = 0.03

p = 0.56



# MMOLOBELONIHAS

Overall: 280/902

31%

No response: 192/228

OFecultrences: 88/394

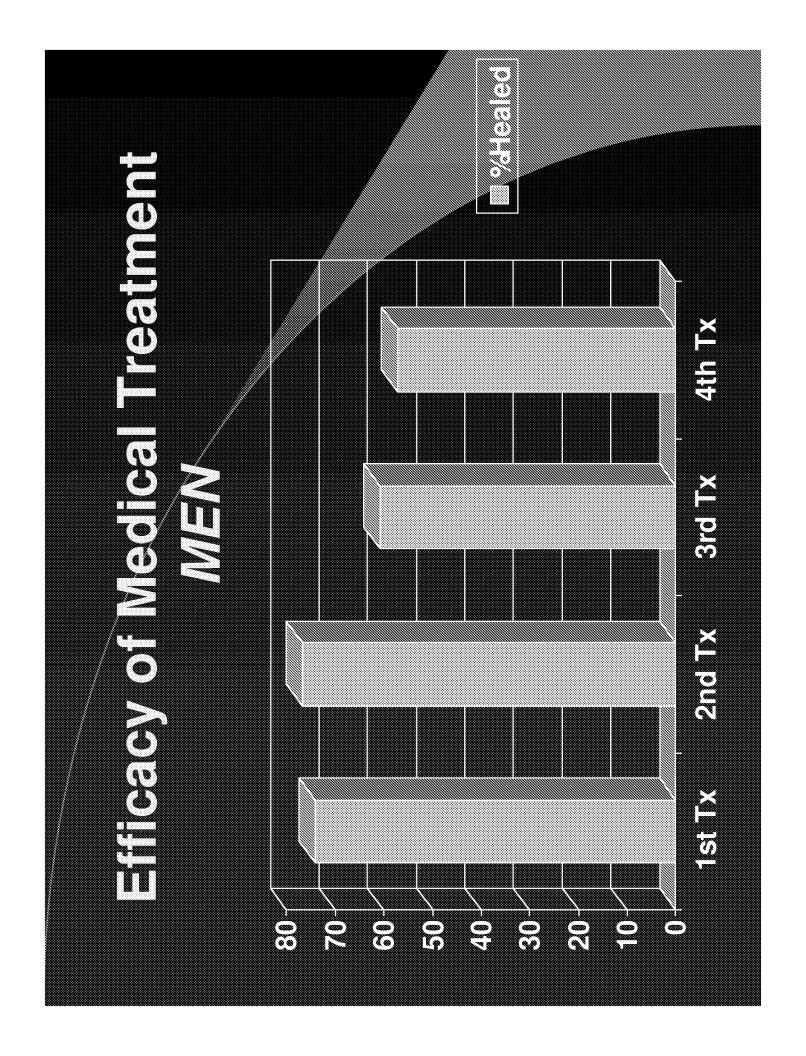
22%

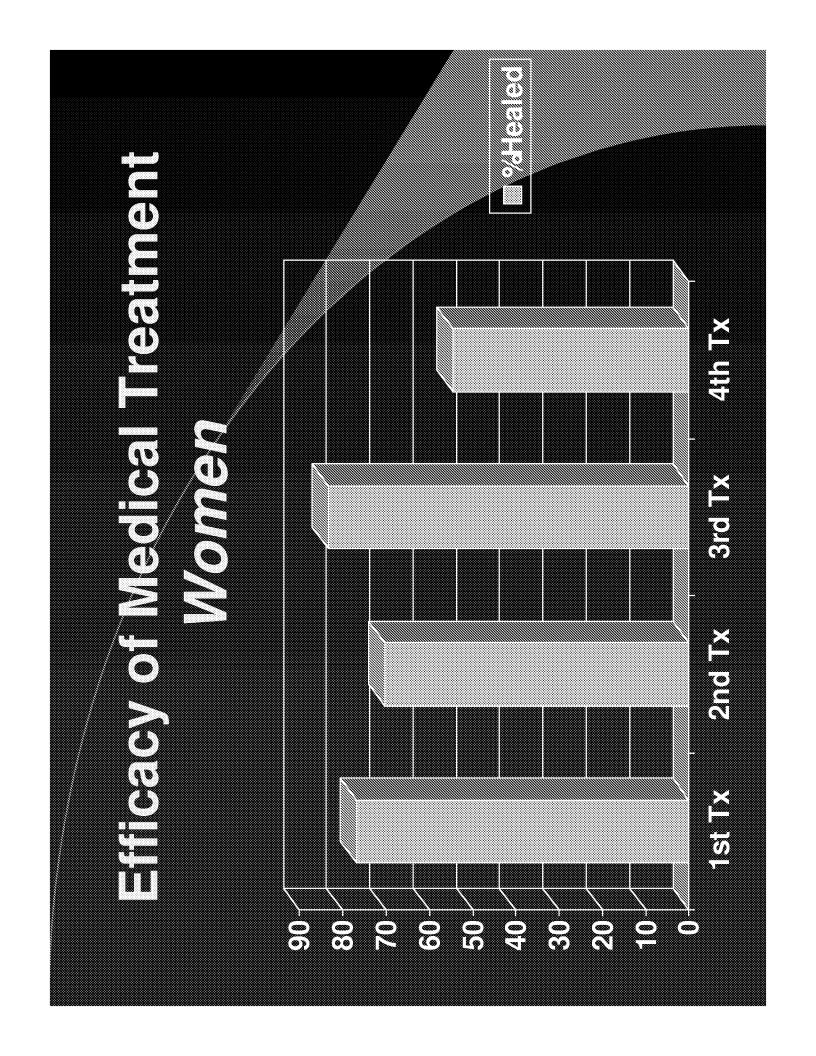
## SNOISINIONOS

- DAnterior fissures are more common in both men and women than
- better to medical management than DAnterior fissures seem to respond do posterior fissures
- oosierior ilssures at presentation are ess likely to respond to medical Delients with both anterior and

## SNOISINIOS

- results when compared to other • NTC consistently gave inferior medical frequents
- results but long-term follow-up is • NIF and Botox gave promising
- increased, the efficacy of medical As the number of recurrences





# Thank You